

## **REQUEST**

The undersigned requests that the present

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International Application No.	
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Box No. 1 TITLE OF INVENTION  SENSING APPARATUS AND METHOD  Box No. 1 APPLICANT	international application be processed according to the Patent Cooperation Treaty.			Name of receiving Office and "PCT International Application"					
Box No. II APPLICANT	$ar{\ell}$			Applicant's or agent's file reference (if desired) (12 characters maximum) 1893499					
Name and address: (Family name followed by given name: for a laged entity, full affected designation in this flowed that is, country) of residence in indicated in this flowed that the applicant's State (that is, country) of residence in order to the united States of the united States of America of Cambridgeshire   CB2 SGG   State (that is, country) of nationality:	Box No. I	TITLE OI	F INVENTION					•	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated below.)  SENSOPAD TECHNOLOGIES LIMITED Harston Mill Har		SENS	SING APPARATUS	3 AND METHOI	D .				
The observe must include postal code and name of country. The country of the address indicated in this Bos is the applicant's State (that is, country) of the country of the address indicated below.)  SENSOPAD TECHNOLOGIES LIMITED Harston Mill Harston (Cambridgeshire (CB2 SGG)  State (that is, country) of nationality:  GB  Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)  Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated below.)  SILLS; Colin Stuart  Sensopad Technologies Limited Harston Mill Harston (CB2 SGG, GB)  State (that is, country) of nationality:  GB  This person is applicant and inventor  inventor only (If this check-box is marked, do not fill in below)  Applicant's registration No. with the Office  GB  This person is applicant only (If this check-box is marked, do not fill in below)  Applicant's registration No. with the Office  GB  State (that is, country) of residence:  GB  This person is applicant and inventor  inventor only (If this check-box is marked, do not fill in below)  Applicant and inventor  inventor only (If this check-box is mar	Box No. II	This person is also inventor							
SENSOPAD TECHNOLOGIES LIMITED  Harston Cambridgeshire CB2 5GG GB  State (that is, country) of nationality: GB	The address mus	ist include posta	al code and name of count	itry. The country of th	he address indicated	in this	Telephone No.	·	
Harston Mill Harston Cambridgeshire CB2 5GG GB  State (that is, country) of nationality: GB this person is applicant of the purposes of:    State (that is, country) of nationality:   GB	SENSO	PAD TECH	NOLOGIES LIMI	TED	,		Facsimile No.		
Harston Cambridgeshire CB2 SGG GB  State (that is, country) of nationality: GB  State (price of the purposes of:  State (that is, country) of nationality: GB  State (that is, country) of nationality: GB  This person is applicant States and address: (Family name followed by given name: for a legal entity, full official designation. The address must include pound code and name of country.) The country of the address indicated in this person is applicant to share (bat is, country) of residence:  STILLS; Col.in Stuart Sensopad Technologies Limited Harston Mill Harston Cambridgeshire CB2 SGG, GB  State (that is, country) of nationality: GB  State (that is, country) of nationality: GB  This person is applicant and inventor inventor only (If this cheeck-box is marked, do not fill in below) Applicant's registration No. with the Office GB  This person is applicant and inventor inventor only (If this cheeck-box is marked, do not fill in below) Applicant's registration No. with the Office GB  This person is applicant for the purposes of:  State (that is, country) of nationality: GB  This person is applicant for the purposes of:  State (that is, country) of nationality: GB  This person is applicant for the purposes of:  State (that is, country) of nationality:  The person is applicant and inventor inventors are indicated on a continuation sheet.  Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE  The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:  Name and address: (Family name followed by given name: for a legal entity, full official designation. The address man include postal code and name of country.)  BERESFORD, Keith Denis Lewis; BRINCK, David John Borchard; CLARK, Jane Anne; DLUGOSZ, Anthony Charles; FIELD, Howard John, FLEGG, Christopher Frederick; PCOX, Nicholas Lewis; BRINCK, David John Show; MACKENZIE, Ian Alastair Robert; MACDOUGALI, Alan John Show; MACKENZIE, Ian Alastair Robert; Agent's registra			NOLOGILO LI.I.	TLD					
CB2 5GG State (that is, country) of nationality:  GB State (that is, country) of nationality:  GB State (that is, country) of residence:  This person is applicant of the purposes of:  Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)  Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this post to the applicant so the applicant of the states indicated in this post to the applicant is somety for inventors are indicated below.  SILLS; Colin Stuart Sensopad Technologies Limited Harston Mill Harston Cambridgeshire CB2 5GG, GB  State (that is, country) of nationality: GB State (that is, country) of nationality: GB State (that is, country) of nationality: GB State (that is, country) of nationality: GB State (that is, country) of residence: GB State (that is, country) of residence: GB  State (that is, country) of residence: GB  State (that is, country) of residence: GB  State (that is, country) of residence: GB  State (that is, country) of residence: GB  State (that is, country) of residence: GB  This person is applicant only (If this check-box is marked, do not fill in below) Applicant's registration No. with the Office GB  State (that is, country) of residence: GB  State (that is, country) of residence: GB  The person is applicant only (If this check-box is marked, do not fill in below) Applicant's registration No. with the Office  The person is applicant only (If this check-box is marked, do not fill in below)  Applicant's registration No. with the Office  The person is applicant only (If this check-box is marked, do not fill in below)  Applicant's registration No. with the Office  The person is applicant only (If this check-box is marked, do not fill in below)  Applicant's registration No. with the Office  The person is applicant only (If this check-box is marked, do not fill in below)  Applicant's registration No. with the Office  The person is applicant		•					Teleprinter No.		
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This person is applicant only applicant of the United States of America only the Supplemental Box  Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)  Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box the applicant's State (that is, country) of residence is indicated below.)  SILLS; Colin Stuart Sensopad Technologies Limited Harston Mill Harston Edba States of America  Cambridgeshire CB 5CG, GB  State (that is, country) of nationality:  GB  This person is applicant only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office  GB CB 5CG, GB  State (that is, country) of nationality:  GB  This person is applicant and inventor inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office  GB CB State (that is, country) of residence:  GB CB State (that is, country) of residence:  The person is applicant only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office  Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE  The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:    Dox No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE    Dox No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE    Dox No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE    Dox No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE    Dox No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE    Dox No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE    Dox No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE    Dox No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE    Dox No. IV AGENT OR COMMON REPRESENTA	GB						_		
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Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)    SILLS; Colin Stuart   Sensopad Technologies Limited   Harston Mill   Harston   Cambridgeshire   CB2 5GG, GB	This person is for the purpor	s applicant ses of:	all designated States	X all designate the United S	d States except states of America				
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FOX, Nicholas Russell Philip; KENNINGTON, Eric Alasdair; MACDOUGALL, Alan John Shaw; MACKENZIE, Ian Alastair Robert; PERKINS, Janet Frances; SPROSTON, David; TOPLEY, Paul; WATKINS, David; all of BERESFORD & Co,16 High Holborn, London, WC1V 6BX, GB  Agent's registration No. with the Office	BERESFORI	D, Keith Denis	Lewis; BRINCK, Davi	id John Borchardt;C	LARK, Jane Anne;		Facsimile No.		
MACDOUGALL, Alan John Shaw; MACKENZIE, Ian Alastair Robert; PERKINS, Janet Frances; SPROSTON, David; TOPLEY, Paul; WATKINS, David; all of BERESFORD & Co,16 High Holborn, London, WC1V 6BX, GB  Agent's registration No. with the Office	FOX, Nichol	as Russell Phil	es; FIELD, Howard Jon	in; FLEGG, Christo,	pher Frederick;		020 740	5 4092	
PERKINS, Janet Frances; SPROSTON, David; TOPLEY, Paul; WATKINS, David; all of BERESFORD & Co,16 High Holborn, London, WC1V 6BX, GB  Agent's registration No. with the Office	MACDOUG	ALL, Alan Joh	hn Shaw; MACKENZIE	E, Ian Alastair Rober	nt:		Teleprinter No.		
Agent stegistration No. with the Office	PERKINS, Ja	anet Frances;SI	PROSTON, David, TOI	PLEY, Paul; WATE	KINS, David;				
	all of BERES	FORD & Co,	16 High Holborn, Lond	lon, WC1V 6BX, G	·Β		Agent's registra	tion No. with the Office	
Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the	•						1.5		
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Continuation of Box No. III FUR R APPLICANT(S) AND/OR (FURTHER) INVE							
If none of the following sub-boxes is used, this sheet should not be included in the request.							
Name and address: (Family name followed by given name; for a legal entity, ful The address must include postal code and name of country. The country of the add Box is the applicant's State (that is, country) of residence if no State of residence is in	dress indicated in this						
KREIT; Darran Sensopad Technologies Limited	applicant and inventor						
Harston Mill Harston	inventor only (If this check-box is marked, do not fill in below.)						
Cambridgeshire CB2 5GG, GB	Applicant's registration No. with the Office						
•	tate (that is, country) of residence:						
This person is applicant for the purposes of:  all designated all designated States the United States	tes except of America only the States indicated in the Supplemental Box						
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HOWARD; Mark Anthony Sensopad Technologies Limited Harston Mill	applicant and inventor inventor only (If this check-box is marked, do not fill in below.)						
Harston Cambridgeshire CB2 5GG, GB	Applicant's registration No. with the Office						
	tate (that is, country) of residence: GB						
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	Applicant's registration No. with the Office						
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This person is applicant all designated States all designated States all designated States	ates except sof America the United States the States indicated in the Supplemental Box						
Further applicants and/or (further) inventors are indicated on a	nother continuation sheet.						

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Mark the applicable check-boxes below; at lea

must be marked

	The following designations are hereby made under Rule 4.9(a):								
Re	gion	al Patent							
	AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line).								
	EA	Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT							
C3	EP	European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT							
(3)	OA	DA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)							
Na	tion	al Patent (if other kind of protection	or	treat	ment desired, specify on dotted line):				
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X	BA.	Bosnia and Herzegovina	X	JP	Japan				
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otl ex	Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the								

applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Box No. VI PRIORITY CLAIM								
The priority of the following	g earlier application(s) is here	by claimed:						
Filing date	Number	,	Where earlier application	is:				
of earlier application of earlier application (day/month/year)		national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office				
item (1)		1						
07.01.2003 _07 JAN 2003	0300291.2	GB						
item (2) 01.08.2003 01.AUG 2003	0318121.1	GB						
item (3)								
item (4)								
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item (5)		1						
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Further priority claims	are indicated in the Supplem	ental Box.	· · · · · · · · · · · · · · · · · · ·					
The receiving Office is required if the earlier application was	nested to prepare and transmit filed with the Office which for	to the International Burea the purposes of this interna	au a certified copy of the cational application is the	earlier application(s) (only				
above as:  X all items item		_	<del></del> 1	other, see				
		item (3) item	<del></del>	Supplemental Box				
* Where the earlier applicat Industrial Property or one N	ion is an ARIPO application, i Iember of the World Trade O	rganization for which that	earlier application was fi	led (Rule 4.10(b)(ii)):				
			••••••					
Box No. VII INTERNAT	TIONAL SEARCHING AU	THORITY						
Choice of International Se international search, indicat	earching Authority (ISA) (if e the Authority chosen; the two	two or more International So-letter code may be used:	Searching Authorities are	competent to carry out the				
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Box No. VIII DECLARA	TIONS			•				
The following declarations check-boxes below and indicates:	s are contained in Boxes Nos cate in the right column the nu	. VIII (i) to (v) (mark the a mber of each type of declar	applicable ration):	Number of declarations				
Box No. VIII (i)	Declaration as to the ident	ity of the inventor		:				
Box No. VIII (ii)	Box No. VIII (ii)  Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent:							
Box No. VIII (iii)		licant's entitlement, as at a of the earlier application		:				
Box No. VIII (iv)	Box No. VIII (iv)  Declaration of inventorship (only for the purposes of the designation of the United States of America)							
Box No. VIII (v)	Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty:							

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Box No. IX CHECK LIST; LA	OF FILING					
This international application contains:  (a) in paper form, the following number of sheets:	nem(s) (n	mational application is accompanied by the following mark the applicable check-boxes below and indicate in mn the number of each item):	ng Number of items			
request (including		ee calculation sheet	. 1			
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description (excluding sequence listings and/or		riginal general power of attorney	• •			
tables related thereto) : 37	4. 🔲 c	opy of general power of attorney; reference number	Γ,			
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abstract : 1 drawings : 14		tatement explaining lack of signature	. :			
Sub-total number of sheets:	V	riority document(s) identified in Box No. VI as tem(s):				
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tables related thereto  (for both, actual number of	8. ∏ s	eparate indications concerning deposited microorga r other biological material				
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(i) sequence listings (ii) tables related thereto	(iii) [	together with relevant statement as to the identity copies with the sequence listings mentioned in left	of the copy or column			
(c) also in computer readable form (Section 801(a)(ii))	(1	ables in computer readable form related to sequence l indicate type and number of carriers)	istings			
<ul><li>(i) ☐ sequence listings</li><li>(ii) ☐ tables related thereto</li></ul>	(i) [	copy submitted for the purposes of international se Section 802(b-quater) only (and not as part of the application)	earch under international			
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	(only where check-box (b)(ii) or (c)(ii) is marked in le	aanss fan 4L a				
contained the purposes of international search under Section 802(b-quater):    sequence listings: (iii)   together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column						
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. 🗵 of	ther (specify): Letter	1			
Figure of the drawings which should accompany the abstract:  Language of filing of the international application:						
Box No. X SIGNATURE OF APPLICAN Next to each signature, indicate the name of the person sign	Γ, AGENT ( ning and the ca	OR COMMON REPRESENTATIVE  spacity in which the person signs (if such correcity is not obvious	from months of a second			
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).						
BRINCK; David John Borchardt						
Date of actual receipt of the purported	For rece	eiving Office use only	<del></del>			
international application:			2. Drawings:			
2 Company Law Control			received:			
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:						
4. Date of timely receipt of the required corrections under PCT Article 11(2):						
5. International Searching Authority (if two or more are competent): ISA /						
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Date of receipt of the record copy by the International Bureau:						